

Date: Thu, 30 Jun 94 15:34:55 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V94 #725
To: Info-Hams

Info-Hams Digest Thu, 30 Jun 94 Volume 94 : Issue 725

Today's Topics:

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Canadian Amateur in the U.S.
Canadian Exams --- is four enough
Clipart
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Kenwood TH-78A
simplex on two meter
Temp. Conversion Chart: F & C?
temperature conversion
Where is the best place to install a low pass filter? (5 msgs)
You Know It's Time to Retire

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Thu, 30 Jun 1994 20:01:57 GMT
From: ihnp4.ucsd.edu!swrindle!emory!gatech!ncar!noao!news@network.ucsd.edu
Subject: absolute beginner questions
To: info-hams@ucsd.edu

Hello,

I know nothing about short wave radio but I do a lot of backcountry travel
and have been told that short wave is the best emergency communications
device I could have. So here I am looking for beginner's information.

Is there an FAQ or archive site for this group? What is a good, up to date, beginner book I can read? In what price range is a low end mobil radio unit?

Many thanks for any suggestions!

-Dyer

Dyer Lytle, National Optical Astronomy Observatories, Tucson, AZ, 602-323-4136
Internet: lytle@noao.edu WWW: http://iraf.noao.edu/iraf_staff/lytle.html

Date: Thu, 30 Jun 94 13:37:18 -0700 (PDT)
From: ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!sol.ctr.columbia.edu!
deep.rsoft.bc.ca!mindlink.bc.ca!a10897@network.ucsd.edu
Subject: Canadian Amateur in the U.S.
To: info-hams@ucsd.edu

I am going to be spending a month in the U.S. this summer (I'm from Canada), and I am wondering a couple things. Does my Canadian amateur radio liscence let me transmit in the U.S.? If so, will I have to identify myself differntly? Please E-mail me if you know anything about these regulations! Thanks in advance!

Graham VE7BBZ

Date: Thu, 30 Jun 1994 16:23:55 GMT
From: ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!torn!waterv2.uwaterloo.ca!
greenfly.watstar.uwaterloo.ca!SPIKE@network.ucsd.edu
Subject: Canadian Exams --- is four enough
To: info-hams@ucsd.edu

The interested in Amateur Radio has certainly changed with the new exams. Many new amateurs have studied with the help of a course put on by the local amateur radio club/association. Most courses have a high level of hands on demonstration and a high level of user protocol.

However: Listening to the new basic license amateurs indicates a need for more understanding of the technology they are working with.
Maybe three written exams could be considered!

ie:

BASIC exam: As the present one.

Still 6 metres and up with 50 watts maximum (now 250 watts).
No packet.

INTERMEDIATE: Now the advanced. Add more safety, tower installation,
more antennas theory (concepts) and safety.
Still 6 metres and up with 250 watts (present basic at
250 watts).
Add packet.

ADVANCEDED: More on high power, repeater control, safety, grounding, antennas.
Power to 1000 watts (present advanced).
More repeater practical.
Add packet sysop.

CODE: These two exam levels 5wpm & 12 wpm seem to be ok.
The 5wpm gets one started with code.
Many of the new basic certificates start to work on 5wpm
within the year.

73, de EDward Spike spike@eestaff.watstar.uwaterloo.ca
*
* AMATEUR RADIO: ve3tck@at.ve3uow.apmr.org
* or VE3TCK@VE3UOW.#\$WON.ON.CA.NA
*- - - - / IEEE Robot Olympics and MicroMouse Competition Committee
* micro-mouse@ieee.org or mouse@sunee.uwaterloo.ca
* E & CE Dept. University of Waterloo, Waterloo, Ontario,
* Canada, N2L3G1. (519)888-4567, X-3716, fax:(519)888-6197

Date: 30 Jun 1994 21:10:58 GMT
From: ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!europa.eng.gtefsd.com!
sundog.tiac.net!news3.sprintlink.net!news.sprintlink.net!sun.cais.com!
news@network.ucsd.edu
Subject: Clipart
To: info-hams@ucsd.edu

I posted the clipart question a couple weeks ago and as promised to the innumerable people that e-mailed me asking about my findings, I'll make public what I have found, which, unfortunately is not much :-(
The first try was the ARRL BBS's at 203-666-0578. After doing a file search, I found several ARRL related logos, like ARES, RACES and so on...
Thanks to a fellow ham from the UK who replied to me, there is a small repository of some other radio related ham artwork available via FTP at

hpcos.col.hp.com,I believe in the /pub/hamradio/clipart area.I found that the quality of most of the drawings to be quit amateurish and of

low quality, but hey it is better than nothing!

Finnaly but not last, I combined all of this findings into a new files section of the BBS I run here in DC, Gallery's BBS at 202-298-6009. The clipart is in the Ham Art file section.

Hope you'll find this info usefull and keep your fingers crossed for the stuff from the above message to be availale soon : -)

73's to all de N3MGA

Date: 30 Jun 1994 19:18:51 GMT

From: pa.dec.com!nntp.lkg.dec.com!iamu.chi.dec.com!little@decwrl.dec.com

Subject: FIELD DAY 1994 REPORT

To: info-hams@ucsd.edu

CALL: N9MWB/AA

ENTRY CLASS: 1B commercial

SECTION / LOCATION: IN

Set up on the back porch of my brothers house on a lake in
Columbus Indiana.

RIG: Yaesu FT-767GX with modules for 6, 2, and 440.

ANTENNA: 60-70' Horizontal dipole up about 35', 20 meter sloper, twinlead
j-poles for 2 and 6, and no antenna for 440.

POWER SOURCE: Commercial mains

TOTAL ON-AIR OPERATION TIME: 5-10 hours. Not really sure as I worked a little,
water skied a little, swam a little, etc.

TOTAL SCORE:

4/1 SSB/CW QSOs on 6

18/3 SSB/CW QSOs on 10

73/0 SSB/CW QSOs on 15

38/0 SSB/CW QSOs on 20

60/0 SSB/CW QSOs on 40

193 TOTAL SSB QSOs

4 TOTAL CW QSOs

100 watts power

2 * (193 + 2*4) = 402 points

COMMENTS/LESSONS:

Remember to pay attention to which side of the sloper is up. The 20 meter sloper worked much power than the 40 meter dipole on 20. Also I need to get a tighter SSB filter to cut through all the QRM. I never could get any other family member to operate, although my nephew logged for a brief while. Also need a higher location if I want to work any VHF/UHF stations. Being next to a lake while pretty, doesn't lend itself to line of sight communication. Also need to remember to pick up the easy bonuses, i.e. the ARRL message, and packet/satellite bonuses.

Had a ball!

73,
Todd
N9MWB

Date: 30 Jun 94 20:14:59 GMT
From: news-mail-gateway@ucsd.edu
Subject: Help! What is it?
To: info-hams@ucsd.edu

Is it a little black box that has an antenna input and looks like a modem? If so, it is a receiver for Lotus' Signal service. It receives stock market data that is transmitted on a subcarrier of a local FM broadcast station and displays it on a PC. The bad news is that a password is required to activate the receiver, at a cost of about \$250 a month.

Keith Lingwall KB5NSD
Network Server Manager
Compaq Computer Corp.
Houston, TX

*** Not a spokesman for Compaq Computer Corp. ***

> Date: 30 Jun 1994 13:11:35 GMT
> From:
ihnp4.ucsd.edu!agate!usenet.ins.cwru.edu!cleveland.Freenet.Edu!at626@network.ucsd.edu
> Subject: Help! What is it?
> To: info-hams@ucsd.edu

> I bought this at a thrift store. I've always wanted one. The only question
> I have is, what is it? Front panel says:

> Lotus FM Receiver

Date: Thu, 30 Jun 94 14:11:57 -0500
From: ihnp4.ucsd.edu!usc!elroy.jpl.nasa.gov!lll-winken.llnl.gov!noc.near.net!
news.delphi.com!usenet@network.ucsd.edu
Subject: Kenwood TH-78A
To: info-hams@ucsd.edu

Athos Facchi <facchi@locarno.cc.columbia.edu> writes:

>different models, I decided to get a Kenwood TH-78A. Does anyone out there
>have any experience with this radio or with Kenwood products in general?

Athos,

I have a TH78 and like it very much. It has good sensitivity for a HT
and it does dual-in-band very well. It is not too bad to
program, but make copies of the manual, and you will be all set.

I have found it to be very versatile and it sounds very good
on the air.

good luck and 73

de n1qdq

Date: 30 Jun 1994 17:39:35 GMT
From: ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!sol.ctr.columbia.edu!
usenet.ucs.indiana.edu!master.cs.rose-hulman.edu!news@network.ucsd.edu
Subject: simnplex on two meter
To: info-hams@ucsd.edu

>
> A general CQ I interpret as an invitation for _anyone_ to respond, so I
might.
>
> Does anyone agree with that?
>
> David (GM0SYA)

Quite a while back I was calling CQ on 29.600 MHz F3E.

An anonymous responder said,"Do you mean CQ or do you really want to say
QRZ?"

He was seemingly quite chagrined that I'd be calling CQ on 29.6 MHz.

I told him that I know what the Q signals mean and that I meant to call CQ and asked him if he knew what CQ means.

He evidently didn't know 'cuz he never came back.

What a lid,

73 de Jack, K9CUN

Date: Thu, 30 Jun 94 16:57:10 GMT
From: netcomsv!butch!enterprise!news@decwrl.dec.com
Subject: Temp. Conversion Chart: F & C?
To: info-hams@ucsd.edu

In article <CRYHRM.DKF@DU.EDU>, awinterb@du.edu (Art Winterbauer) writes:
|> Does anyone know of a source for a quick temperature conversion chart
|> between F and C? I can't recall the formula (or where to find it), and
|> would just like a way to rapidly convert between the two scales when
|> in QSO.
|>
|> 73 de Art, N0OQS

Don't have a numeric conversion chart, but there's a chart on
the wall here for the "metrically challenged":

40C - Dang hot!
35C - Really hot
30C - Warm
25C - Nice
20C - A bit chilly
15C - Cool
10C - Cold
5C - Brrr!

73, N7TNJ, George

Date: 30 Jun 1994 18:20:42 GMT
From: ihnp4.ucsd.edu!swrinde!cs.utexas.edu!geraldo.cc.utexas.edu!
astro.as.utexas.edu!oo7@network.ucsd.edu
Subject: temperature conversion

To: info-hams@ucsd.edu

William=E.=Newkirk%Pubs%GenAv.Mlb@ns14.cca.CR.rockwell.COM says:

>>geez, people make this so complicated.

>>C = 1.8 (F-32).

Bwah hah! At least some of them got it right, though.

(I would have e-mailed him, but look at the length of that address).

The original poster wanted to be able to tell someone in another country what the temperature is at his place, so it doesn't have to be highly accurate, you may as well just subtract 30 from the F and halve it. That will be within a degree or two, and anyway, who cares. If someone tells me the temperature in Mongolia, I just make something up. Or do you get an OO notice if you tell someone that it's clear when it's actually raining?

Does anyone ever care what the temperature is 10,000 miles away? Does anyone write it in their log? Or is it just so that you can reply "fb ur temp OM" or "QSL the temperature there old man"? You might just as well tell the other op the color of your socks.

Give 'em a 599 and on to the next one, I say.

Derek "not a ragchewer" Wills (AA5BT, G3NMX)
Department of Astronomy, University of Texas,
Austin TX 78712. (512-471-1392)
oo7@astro.as.utexas.edu

Date: Thu, 30 Jun 94 09:22:37 PDT
From: ihnp4.ucsd.edu!library.ucla.edu!europa.eng.gtefsd.com!uhog.mit.edu!
news.kei.com!ssd.intel.com!chnews!news@network.ucsd.edu
Subject: Where is the best place to install a low pass filter?
To: info-hams@ucsd.edu

Can someone tell me where the best place is to install my Drake 1KW low pass filter?

- 1) Between my HF transceiver and my 1KW RF amp

- 2) Between my 1 KW RF amp and my 1KW antenna tuner
- 3) Between my 1KW antenna tuner and my antenna
- 4) Sell it at the next ham fest
- 5) Anywhere after the transceiver

Thanks, 73s Tom WB7ASR...

tom_boza@ccm.hf.intel.com

Date: 30 Jun 94 17:16:34 GMT
From: ihnp4.ucsd.edu!swrindle!howland.reston.ans.net!vixen.cso.uiuc.edu!aries!
hawley@network.ucsd.edu
Subject: Where is the best place to install a low pass filter?
To: info-hams@ucsd.edu

tom_boza@ccm.hf.intel.com writes:

>Can someone tell me where the best place is to install my
>Drake 1KW low pass filter?

- >
- 1) Between my HF transceiver and my 1KW RF amp
 - 2) Between my 1 KW RF amp and my 1KW antenna tuner
 - 3) Between my 1KW antenna tuner and my antenna
 - 4) Sell it at the next ham fest
 - 5) Anywhere after the transceiver

>Thanks, 73s Tom WB7ASR..

2).

.....NO USER SERVICEABLE PARTS INSIDE.....

Chuck Hawley.....KE9UW.....Urbana, Illinois
hawley@aries.scs.uiuc.edu
School of Chemical Sciences, Electronic Services
University of Illinois, Urbana-Champaign

Date: 30 Jun 1994 17:36:25 GMT
From: ihnp4.ucsd.edu!sdd.hp.com!col.hp.com!jms@network.ucsd.edu
Subject: Where is the best place to install a low pass filter?
To: info-hams@ucsd.edu

tom_boza@ccm.hf.intel.com wrote:

: Can someone tell me where the best place is to install my
: Drake 1KW low pass filter?

- : 1) Between my HF transceiver and my 1KW RF amp
: 2) Between my 1 KW RF amp and my 1KW antenna tuner
: 3) Between my 1KW antenna tuner and my antenna
: 4) Sell it at the next ham fest
: 5) Anywhere after the transceiver

: Thanks, 73s Tom WB7ASR...

Right before the antenna tuner.

Mike, K0TER

Date: Thu, 30 Jun 1994 19:09:41 GMT
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!gatech!news-feed-1.peachnet.edu!
ukma!rsg1.er.usgs.gov!stc06.CTD.ORNL.GOV!xdep.ceng.ornl.gov!wyn@network.ucsd.edu
Subject: Where is the best place to install a low pass filter?
To: info-hams@ucsd.edu

In article <2uurpg\$b06@chnews.intel.com> tom_boza@ccm.hf.intel.com writes:

>Can someone tell me where the best place is to install my
>Drake 1KW low pass filter?

- > 1) Between my HF transceiver and my 1KW RF amp
> 2) Between my 1 KW RF amp and my 1KW antenna tuner
> 3) Between my 1KW antenna tuner and my antenna
> 4) Sell it at the next ham fest
> 5) Anywhere after the transceiver

>Thanks, 73s Tom WB7ASR...

The answer is no.2. Why? The HF transceiver and the 1KW RF amp are active devices and may not be so linear, so bad freq.s could be generated within which need filtering out. The 1KW antenna tuner is a passive and (unless you really mess up) a linear device so what goes in frequency wise should be what comes out. Also the tuner input offers the filter a 50-75 ohm output load which may assist the filter's efficiency. No. 3 is not so bad a choice given resonant 50-75 ohm antenna loads, but if you switch your tuner to shunt or straight through position you arrive at no. 3 anyway.

C. C. (Clay) Wynn N4AOX
wyn@ornl.gov

=====
= Cooperation requires participation. Competition teaches cooperation. =
=====

... - - - -

Date: 30 Jun 1994 21:20:46 GMT
From: ihnp4.ucsd.edu!agate!kennish@network.ucsd.edu
Subject: Where is the best place to install a low pass filter?
To: info-hams@ucsd.edu

In article <2uurpg\$b06@chnews.intel.com>, <tom_boza@ccm.hf.intel.com> wrote:
>
>Can someone tell me where the best place is to install my
>Drake 1KW low pass filter?
>
> 1) Between my HF transceiver and my 1KW RF amp
> 2) Between my 1 KW RF amp and my 1KW antenna tuner
> 3) Between my 1KW antenna tuner and my antenna
> 4) Sell it at the next ham fest
> 5) Anywhere after the transceiver
>
>Thanks, 73s Tom WB7ASR...
>
>tom_boza@ccm.hf.intel.com

(2).

Reason:

- 1) The harmonics come from the amplifier, and it is best to get rid of them as soon as possible,
- 2) The REAL reason. Filters are designed to run into matched loads. The best filters are doubly terminated, and are designed to be fed with 50 ohms and run into a 50 ohm load. The output of the TX should be 50 ohms and the INPUT of the tuner should be 50 ohms.

The path between the antenna and the tuner is resonant but not with 50 ohm terminations. (If it were, you wouldn't need a tuner). There could be huge circulating currents in the feedwire which the filter is not capable of handling, and the filter will probably not give

the designed filter characteristics when run into a non 50 ohm load.

-Ken

Date: 30 Jun 1994 16:22:24 GMT
From: nothing.ucsd.edu!brian@network.ucsd.edu
Subject: You Know It's Time to Retire
To: info-hams@ucsd.edu

In article <2uufd5\$1ms@newsgw.mentorg.com> john_bate@mentorg.com writes:
>I've got 4 harmonics running around.

Unless you're prepared to demonstrate the existence of modern-day virgin birth, or parthenogenesis, I suspect you'd be better off calling them 'heterodynes' or 'intermodulation products' than 'harmonics'.

Around here they're known as 'lion fodder.'
- Brian

Date: Thu, 30 Jun 94 14:07:54 -0500
From: ihnp4.ucsd.edu!usc!elroy.jpl.nasa.gov!lll-winken.llnl.gov!noc.near.net!
news.delphi.com!usenet@network.ucsd.edu
To: info-hams@ucsd.edu

References <1994Jun28.151509.21524@news.yale.edu>, <Cs5AK5.BKn@freenet.carleton.ca>, <2ur75n\$37q@umcc.umcc.umich.edu>usenet
Subject : Re: Whereis callsign server

For those in search of a better server try:

pc.usl.edu 2000

pretty up to date....

73 de n1qdq

Date: 30 Jun 1994 15:36:11 GMT
From: ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!wupost!crcnis1.unl.edu!
unlinfo.unl.edu!gbrown@network.ucsd.edu

To: info-hams@ucsd.edu

References <2urr63\$7jb@news.iastate.edu>, <2us6q0\$q99@crcnis1.unl.edu>, <2using\$gau@news.iastate.edu>'

Subject : Re: License Renewal

William J. Turner (wjturner@iastate.edu) wrote:

: In article <2us6q0\$q99@crcnis1.unl.edu>, gbrown@unlinfo.unl.edu (gregory brown) writes:

: |> William J. Turner (wjturner@iastate.edu) wrote:

: |>

: |> : In article <2uqn3t\$32t@tymix.Tymnet.COM>, flanagan@niagara.Tymnet.COM (Dick Flanagan) writes:

: |> : |> Doesn't anyone read the Regs anymore?

: |> : |>

: |> : |> 97.19(c) When the licensee has submitted a timely application for renewal

: |> : |> of an unexpired license...

: |>

: |> : So, if you never renew and you never *tell* the FCC you didn't renew, you can operate forever? (Yeah, right!)

: |>

: |>

: |> Geez, apparently people not only do not read the regs, they don't read the posts they comment on!

: |>

: |> "When a licensee has submitted a timely application..."

: Why don't you? The poster also said:

: "In other words, you may continue to operate until you eventually receive your renewed license =OR= until you are notified by the FCC that it was not renewed."

: See the "=OR="? That implies if you don't renew and don't tell the FCC you can operate forever!

: (Not what he meant, but he did say it...)

Can you spell "CONTEXT"???

"When a licensee has submitted a timely application....you may continue to operate until you receive your renewed license or until you are notified that it was not renewed", at which time you stop operating. What part of this don't you understand???

Date: 30 Jun 1994 18:06:42 GMT
From: ihnp4.ucsd.edu!swrinde!gatech!newsxfer.itd.umich.edu!zip.eecs.umich.edu!
yeshua.marcam.com!news.kei.com!ssd.intel.com!chnews!scorpion.ch.intel.com!
jbromley@network.ucsd.edu
To: info-hams@ucsd.edu

References <2upulv\$ fis@nyx10.cs.du.edu>, <2uq5jm\$ hhf@chnews.intel.com>, <2uqnb6\$ f1i@nyx10.cs.du.edu>u
Subject : Re: FIELD DAY 1994 REPORT

In article <2uqnb6\$ f1i@nyx10.cs.du.edu>,
Jay Maynard <jmaynard@nyx10.cs.du.edu> wrote:

>Actually, the two ICOMs were radios #2 and 3. #1 was a Yaesu FT-107M;
>it would have worked fine on CW, but was found to have a dead mic
>amplifier (most likely). Nyah.

Same thing happened to our Kenwood 440. Halfway through, the SSB
modulator slowly went bonkers. Had to switch to an alternate rig.
Could have continued on CW, though. Geez, maybe CW ***is*** more
reliable.

Jim Bromley, W5GYJ <jbromley@sedona.intel.com>

End of Info-Hams Digest V94 #725
